

Professional and Scientific Staff Management
Project Proposal
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1. Introduction

2. Description

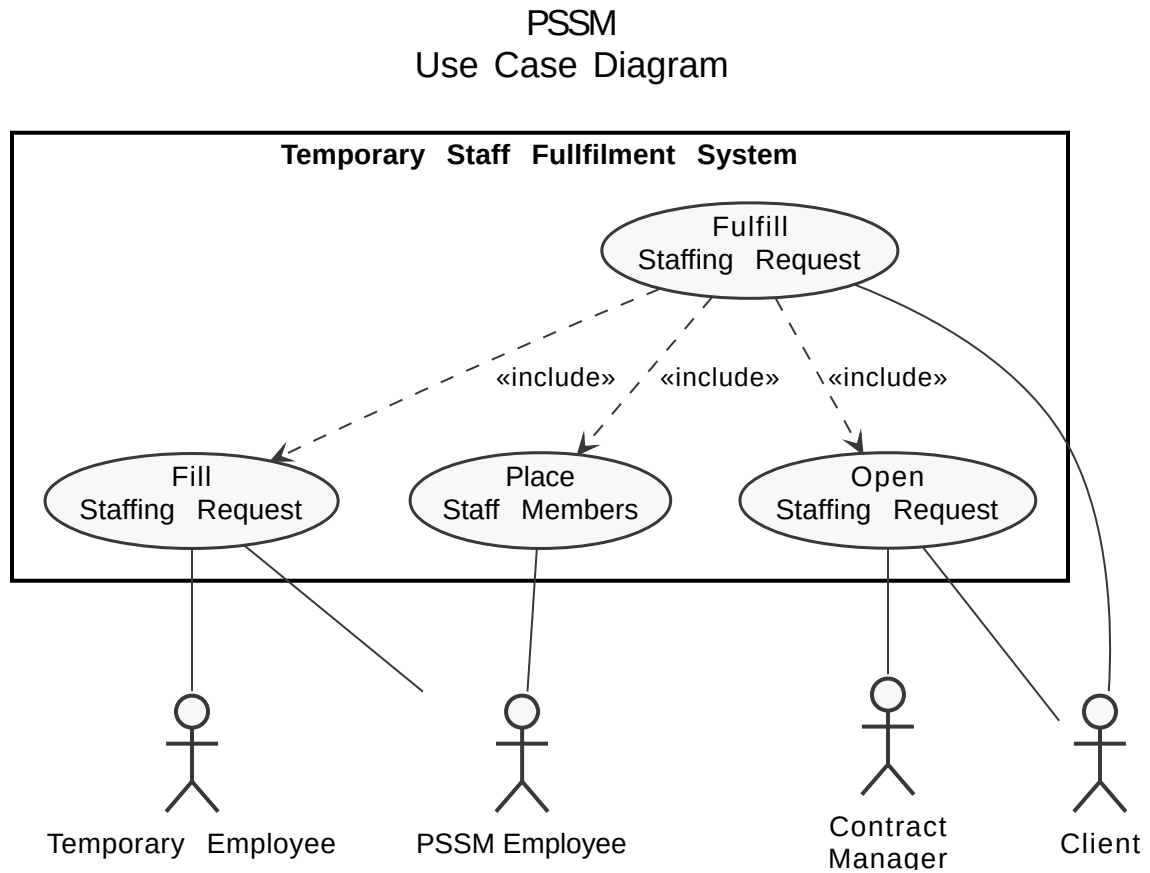
3. Effort

4. Analysis

4.1 Functional

4.1.1 Use Case Diagram

The following Use Case Diagram



4.1.2 Activity Diagram

4.1.3 Use Case Descriptions

The following Use Case Descriptions functionally document the business processes depicted in the Use Case Diagram and Activity Diagram presented in sections 4.1.1 and 4.1.2.

Use Case Name:	Open Staffing Request
Scenario:	Create a new outstanding Staffing Request
Triggering event:	Client contacts PSSM and demands a new temporary staff arrangement.
Brief description:	PSSM receives a new demand for temporary staffing from the Client. PSSM's Contract Manager reviews the contract terms. If the new demand is not valid, the demand is returned to the Client with a Why Letter explaining. Otherwise, a new Staffing Request is opened in the Contract Database and Placement is notified.
Actors:	Contract Manager
Related use cases:	Fulfill Staffing Request
Stakeholders:	Contract Manager, Temporary Employee, Placement department
Pre-conditions:	Valid demand
Post-conditions:	A new outstanding Staffing Request is created

Flow of activities:		
	Actor	System
	<ol style="list-style-type: none">1. Client demands a new temporary staff arrangement2. Contract manager reviews the client contract3. Contract manager opens a new Staffing Request	<ol style="list-style-type: none">2-1. Referencing the contract number on the new demand, the System pulls the Client contract details from the Contract Database.2-2. System creates a New Vehicle entry and saves associated details: serial number, description, make, model, features, etc.3-1. System creates a new Staffing Request, marking it outstanding3-2. System notifies Placement department of outstanding Staffing Request.

Exception conditions:	2-1. Demand is invalid, write Why Letter for Client explaining. File letter locally.
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Use Case Name:	Fill Staffing Request
Scenario:	Negotiate a new Staffing Arrangement
Triggering event:	Contract Manager opens a new outstanding Staffing Request
Brief description:	During sale negotiation, Salesperson adds Customer Trade In vehicle to Invoice, recording Trade In Allowance. Invoice completion sends Trade In information to Receiving department, who update inventory and record dealer cost, which is approved by Receiving manager.
Actors:	Salesperson, Receiving manager
Related use cases:	Receive New Vehicle
Stakeholders:	Sales, Inventory manager, Customer, Receiving dept., Service dept.
Pre-conditions:	New Vehicle sales Invoice must exist. Trade In must be added to sales Invoice.
Post-conditions:	Trade In vehicle is checked into dealership inventory. Trade In Allowance is recorded as Cost (to the dealer).

Flow of activities:		
	Actor	System
	1. Customer negotiates a New Vehicle sale and offers Trade In vehicle to Salesperson for inclusion in the transaction. 2. Salesperson adds Trade In details: serial number, make, model, description, features, etc. to Invoice. Trade In Allowance is recorded. 3. After Salesperson completes Invoice, Trade In information is forwarded to Receiving department, who add Trade In to Inventory. 4. Inventory update, including dealer Cost, is approved by Receiving manager.	4-1. System creates a Trade In vehicle entry, updating vehicle information. 4-2. System notifies Sales department of Trade In availability.

Exception conditions:	3-1. If the vehicle is damaged, Receiving schedules repairs with Service Department.
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Use Case Name:	Place Staff Members
Scenario:	Customer selects a vehicle to purchase.
Triggering event:	A customer arrives at dealership to purchase a vehicle.
Brief description:	Customer initiates negotiation with Salesperson. Customer browses inventory (catalog or electronic) and selects a vehicle of interest. Salesperson offers available dealer options, which if desired triggers Use Case “Add Dealer Options”. Salesperson adds the vehicle to an open Invoice.
Actors:	Salesperson
Related use cases:	Add Dealer Option
Stakeholders:	Customer, Salesperson, Sales department
Pre-conditions:	
Post-conditions:	Purchase vehicle is added to an open Invoice.

Flow of activities:		
	Actor	System
	1. Customer browses showroom, print catalog, or dealership electronic inventory. 2. Customer selects Purchase Vehicle for purchase. 3. Salesperson adds Purchase Vehicle to Invoice.	1-1. System notifies Salesperson of potential vehicle interest. 3-1. System saves Purchase Vehicle to Invoice.

Exception conditions:	2-1. If Customer chooses a New Vehicle, Salesperson offers any available Options (Use Case Add Dealer Options). 2-2. If Customer chooses a Trade In, no Options are offered
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5. Design

6. User Interface

7. Physical Architecture

8. Testing

9. Change Management

10. Conclusion